

99/08

B.A.R.G. NEWS



VK3BML - BALLARAT AIRPORT

Official Newsletter of the Ballarat Amateur Radio Group Inc. No. 6953T

AUGUST 1999

VOLUME 22 No. 8

PRESIDENT'S NOTES

As the club year draws to a close I, like so many others, wonder where the last 12 months have gone. Nominations for office bearers for next year are now being accepted. Please note that the cut off date for nominations is the 20th August, not the 13th August, as stated in last months Newsletter, so it is still not too late to nominate.

It is interesting for me to look back on the year that was. The previous year saw the main emphasis being placed on creating Club Rooms that were conducive to the groups needs. This year, thanks to the hard work of members led by Bob VK3BNC resulted in the 'icing being put on the cake', the erection of the tower with its beam and various antennas, and the development of a more effective communications system. In particular it is hoped that the facilities available will receive the full use they deserve, reflecting the time, effort and finance put into their establishment.

It has been gratifying to see an increase in those undertaking the Novice course under the guidance of Tom VK3DMK. Success is wished to all. It is also pleasing to see the number of new members, and the increased interest and participation of XYLS in the groups activities.

Thanks to the efforts of members, our first involvement in the Rotary South-Car Raffle was a great success, as was the Hamvention, the latter reflecting the efforts of all members and the team of XYLS under the guidance of Tom VK3DMK.

Norm VK3LBA continues to do a great job on the Newsletter. The Editor's job is very time consuming and there is nothing more frustrating than receiving or waiting for articles with little or no time to spare.

Gordon VK3JGC, who has been busy with WICEN and the training sessions, has kept the group informed of the big party for Y2K, Clem VK3BVI and Dick VK3LDC continue with their involvement on the Nets, while Reg VK3CAZ does a great job trying to restore some resemblance of order on the Scramble.

Over the year a number of members have organised tours and speakers. My thanks to them.

Again it has been a mixed year, with Ron K3PRJ becoming a Silent Key. On the brighter side Tom VK3DMK and Elaine announced their engagement, while Michael VK3AUR and Hellen have recently wed. Every happiness is wished to them for the future.

This is my last report as President. I know I will get the chance at the AGM but at this point I really wish to thank those members who have supported the various events and meetings. In particular I would also like to express appreciation to those members who have so willingly given up their time to assist those with their problems, - even Murphy !.

I am sure that everyone has appreciated the hard work done by the members of the Amenities Sub-Committee. My thanks to Betty, Shelagh and Shirley for their dedication and especially for their support, and also to all the XYLS who have contributed in so many ways.

The success of a committee and its contribution to a club can only be judged by the preparedness of all members to work together as a team. My thanks to those committee members who worked so hard during the year and especially for their support to me.

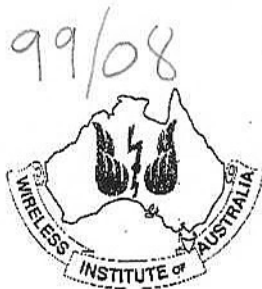
This opportunity is taken to wish the incoming committee members well for their term of office, and at the same time to express appreciation to those who have decided not to re-nominate.

73 de Mary VK3FMC.

FRIDAY AUGUST 27TH.
B.A.R.G.
ANNUAL GENERAL MEETING
8 pm. at Clubrooms.

APOLOGY

Last month I indicated that lodgment of Nomination Forms must be made by 13th August. This in fact should have read the 20th August so you have extra 7 days to get your nomination in. (Sorry for the error - Ed.)



BALLARAT AMATEUR RADIO GROUP INC.

Inc. No: 6953T

OFFICE BEARERS - 1998 / 1999

CLUB STATION - VK3BML



		COMMITTEE		WORK	HOME
PRESIDENT	MARY CURNOW	VK3FMC	DICK		5330 1927
VICE PRESIDENT	BOB TERRILL	VK3BNC	BETTY		5339 5317
SECRETARY	GEOFF SMITH	VK3ADB			5333 2112
TREASURER	MURRAY FELSTEAD	VK3AAI	KAREN	5339 4563	5341 2234
MEMBERS' REP.	DOUG KAY	VK3KAY	DEBBIE		5339 2778
MEMBERS' REP.	CHARLIE STEWART	VK3DCS	SHIRLEY		5331 7425
MEMBERS' REP.	GORDON CORNELL	VK3FGC	HELEN	5339 1135	5339 2427
MEMBERS' REP.	DICK CURNOW	VK3LDC	MARY		5330 1927
MEMBERS' REP.	TOM GEORGE	VK3DMK	ELAINE		5339 9737
MEMBERS' REP.	DAVID MC. CUNNIE	VK3AMC			5331 2695
OFFICERS					
QSL MANAGER	DARYL QUIRK	VK3XDQ	WENDY		03 5476 2689
EDUCATION OFFICER	TOM GEORGE	VK3DMK	ELAINE		5339 9737
MEMBERSHIP SEC.	NORM. D'ANGRI	VK3LBA	VAL		5334 1613
TECH. OFFICER	BOB TERRILL	VK3BNC	BETTY		5339 5317
TECH. OFFICER (DIG.)	TOM GEORGE	VK3DMK	ELAINE		5339 9737
NEWSLETTER EDITOR	NORM D'ANGRI	VK3LBA	VAL		5334 1613
NET CO-ORDINATOR	CLEM ALLAN	VK3BVI	PAT		5348 7709
AWARDS MANAGER	DOUG RAPER	VK3VBA	VAL		5332 3565
HISTORIAN / LIBRARIAN	DICK CURNOW	VK3LDC	MARY		5330 1927
EXAM. OFFICER	CHARLIE STEWART	VK3DCS	SHIRLEY		5331 7425
PUBLICITY OFFICER	MARY CURNOW	VK3FMC	DICK		5330 1927
PROPERTY OFFICER	JEFF PIGDON	VK3PAP	LYN	5331 1640	5332 7041
WICEN STATE CO-ORD.	GORDON CORNELL	VK3FGC	HELEN	5339 1135	5339 2427
H'MVENT. CO-ORD.	TOM GEORGE	VK3DMK	ELAINE		5339 9737
SCRAMBLE CO-ORD.	REG. CARTER	VK3CAZ	SHELAGH		5341 7585
AMENITIES COMMITTEE	BETTY - SHIRLEY - SHELAGH - MARY.				

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LIFE MEMBERS OF BARG.

VK3SE STAN WIDGERY
VK3CFB JIM WRIGHT
VK3AXH IAN MC.DONALD
VK3WN KEVIN HUGHES
VK3AQM PHIL SNEDDON

REPEATERS

VK3RBA (Voice) 146.750 MHz. - Mt.Buninyong.
VK3RBS (Voice) 146.900 MHz. - Smeaton Hill
VK3RPC (Packet) 144.750 MHz. - Mt.Warrenheip.
VK3RBU (Voice) 438.475 MHz. - Mt.Hollowback.
VK3RMB (Beacon) 432.535 MHz. - Mt.Buninyong.
VK3RBV (ATV) 426.250 MHz. - Ballarat

ACTIVITIES CLUB NET: Thursday nights at 8 pm. (8.30 pm during Daylight Saving). Freq: 3.610 MHz +/- QRM.

2 METRE SCRAMBLE: Sunday Nights at 7.50 pm. Freq: 146.425 to 146.600 MHz. Inc.

Call back held on VK3RBA 146.750 MHz.

MEETINGS: General Meeting : Last Friday of each month (except December) at 8.00 pm.

Venue: Club Rooms - Ballarat Airport - Unit 31 - Off Learmonth Road - Ballarat.

CONSTRUCTION NIGHTS: Saturday Afternnons at clubrooms.- 1 pm.,

HAMVENTION : 30th & 31st. October 1999.

INTERNET ADDRESS: <http://www1.tpgi.com.au/users/ddi/barg/barg.htm>

PLEASE ADDRESS ALL CORRESPONDENCE to: The Secretary - BARG Inc. Box 1261 Mail Centre Ballarat 3354
email - smith@sebas.vic.edu.au

NEWSLETTER ARTICLES to NORM D'Angri (VK3LBA) 29 Lawrence St. Alfredton 3350 - email to :- norval@telstra.easymail.com.au



The Minutes



MINUTES OF ANNUAL GENERAL MEETING HELD ON 28th AUGUST 1998

The AGM for the 1998/9 period opened at 8.02 pm. with President Mary VK3FMC warmly welcoming all, and extending Best Wishes to those unable to attend due to illness.

APOLOGIES were then called for and tendered on behalf of the following members..

VK3's BNC, XDQ, HWK, NIZ, JEM, KAY, AAP, PRJ, PAP, Kathy, GMM, and AWM.

It was moved by Reg VK3CAZ and Seconded by Tom DMK that they be accepted.

MINUTES of the AGM held on the 25th July 1997 were read and confirmed.

Moved by Gordon VK3FGC Sec. Reg VK3CAZ

BUSINESS FROM MINUTES – Nil.

CORRESPONDENCE: Referred to General Meeting.

TREASURER'S REPORT: was circulated to each member present by Treasurer Murray VK3AAI.

It was then moved by Murray VK3AAI and seconded by Ian VK3CIS that the report be accepted as presented. - Carried.

RECOMMENDATION: That the Annual Subscription remain as is. (\$25.00) for the next financial year.

Moved by Murray VK3AAI and seconded by Tom VK3DMK.

PRESENTATION: of Certificates by President Mary VK3FMC for performance in BARG weekly Scramble.. Certificates were awarded to:

VK3CAZ – Reg Carter.

VK3XDQ – Daryl Quirk.

VK3FMC – Mary Curnow (Earth Stake Award)

President Mary then gave a summary of the years activities and expressed appreciation for the support shown during the past year. She then declared all offices vacant.

RETURNING OFFICER: Gordon VK3FGC was requested to assume this role and under Articles of Constitution accepted nominations for vacancies.

ELECTION: As the received nominations corresponded with the number of vacancies, new Officers were elected unopposed for 1998/99. (See attached list.)

RECOMMENDATION: That our Auditors be thanked for their effort, and that Jeff VK3LU and Bud VK3AAP be appointed to audit BARG Financial Records for 1999.

Moved VK3FGC Sec.VK3CAZ

INCOMING PRESIDENT: Members were elated at Mary's acceptance of the Presidency for a second term and showed their unanimous support with violent and loud acclamation.

Many thanks to our "First Lady" for a great year.

Mary was then presented with a Certificate and a sheaf of flowers recognising her first term of office. Well Done.

Just a thought – When tempted to fight fire with fire – remember that the Fire Brigade usually uses water.

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The Minutes

MINUTES OF THE B.A.R.G. GENERAL MEETING HELD ON JULY 30TH. 1999

Meeting opened at 8.30pm with a warm welcome to all from our President Mary VK3FMC. Best wishes were extended to those unable to attend due to illness.

APOLOGIES were accepted on behalf of the following members:

VK3NIZ, VK3BNC, VK3KQQ, VK4ZHH, VK3CJH, VK3CFB, & Kathy.

Moved Reg VK3CAZ / Dick VK3LDC.

MINUTES: were confirmed as presented and 'Business Arising' was deferred to General Business.

Moved Clem VK3BVI / Gordon VK3FGC

CORRESPONDENCE: Magazines - A.R., VHF Comm.,

Newsletters from - G.A.R.C. , FaMPARC , HBARC. , Capricornia ARC. , EMDRC.

Mail - Ballarat City re Rent.

Ballarat Sth. Rotary Club - Raffle [accept 50 books.]

WIA re RD Contest.

Norm VK3LBA - Tnx.

Response to BCC re Club Register.

Out also from Pres. to Ian Caldwell & Brian Whykes (& one other ?)

Moved Reg VK3CAZ / Charlie VK3DCS.

TREASURER'S REPORT:

Accounts for payment - Swift Petroleum - Avalon \$16.74

Administration \$4.21 Moved Murray VK3AAI / Clem VK3BVI

AMENITIES:

Plaque proposal \$30.00 for Memorial Garden to proceed.

Knoxville Shopping Bus Trip to take place at \$5.00 per head.

Mowing roster to be upgraded. Watch for your turn.

HAMVENTION:

Tee Shirts @ \$20.00 and / or Separate monograms to be investigated - Hats and coffee -
Rest of activities on task. - Book "raffle" car.

SCRAMBLE: 2nd. Sunday in August - Final date !

NETS: Good roll up on both local nets. Great to hear from the Western Zone fellas. [Hiya Woody!]

NEWSLETTER: Thanks for the great articles. "Doc's docos" rival the National Geo.
Great page Steve. ADB still on the press.

AWARDS: Short report from Doug. Bit quiet at the moment.

GENERAL BUSINESS: Discussion on coming AGM. Keep those nominations coming in.
Discussion on Western Zone Social day. CFB now back on air.

Oh Yea!, Oh YEA !, OH YEA !!! and the twenty three of us adjourned at 08.45 at the bidding of the Town
Crier to gather and Harken at his message. !!
You did not need the bell Brian, we were captivated by your message.
Well Done, and thanks for your interesting chat.

A big THANK YOU to the ladies for the great spread - Tops.

Have a great month Cheers from Geoffrey VK3ADB.



AMERICA IS DIFFERENT !

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THE THIRD AND FINAL INSTALLMENT IN A SERIES BY OUR VK3CFH – JOHN HAZELDINE

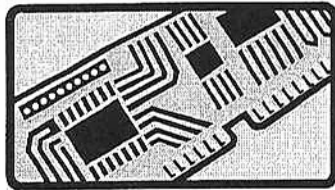
This time I am going to take you motoring Interstate to South Carolina, to a conference in Georgia, and on little holiday down that coast, and again into the vagaries of travelling by road in the U.S.A. My lady driver who had adopted America a few years earlier, suggested that we have a snack on the way to see friends in Anderson. That seemed a good idea but we were turning, in the middle of a country area, into what I thought was a very distant underground railway station network. Well there was a big sign that said SUBWAY. After realising that one could have these inventions of rolls with fillings at different lengths, measured in inches, I chose a six with beef and everything else, which didn't fit anyway. I managed with plastic utensils and sat comfortably at their seats rather than having salad all around the car, sloshing drinks and all the other paraphernalia of car touring around the front seats. Turkey is very popular with mustard and mayonnaise because there is always salad.

We acquired a map from our friends after an evening on the Californian Zinfandel, and set off on Sherman's route towards Savannah. Now ! He did not get lost ! We were going mainly south and anticipated a left turn to the East as we progressed down the State Highway. To do this it appeared that we would filter off to the right, ie West, and then go South or North to then go East. In summary, and one hour later, it appears there are at least 5 ways of doing this. 1 – Follow the signs. 2 – Use logic, remembering that the sun goes round to the south in the Northern hemisphere. 3 – Believe and follow the map that was given to you. 4 – Ask someone (you will always get back to where you started). or 5 – Luck ... There is probably more, but the latter triumphed, as we noted that the map was 10 years old. The friends obviously did not want to see us again, the main lesson being to make sure that your maps are the latest, even more so for outback Australia.

We needed another counseling session, so called. to see a lady at Wendy's, which was again a dilemma of choosing "take away" food. Of course we went out of Savannah on a highway, but with my most intelligent companion, who was also used to the telephone system, we managed a devious about turn to find the good motel in an out of town complex on the highway, and only half an hour "dry run" in the evening to eat and spot the Conference venue. To be there at 8 am. I used to park the car and find my way around this historic city. If there was no activity for my attention, already having edited one main research paper and put it into English, rather than American, which was greatly appreciated by the co-authors, as they had read it so often they were missing things of ambiguity. That's my excuse for any [deliberate] mistakes in this story. I had to experience an American "brunch" one day, so I parked and I fed the meter on the passenger side, to find a ticket on our return. We had not noticed that it was not our meter, so remember it is on the driver's side that all the action takes place. We had a good run to St. Simon's Island, with dark sands, the aroma of large paper manufacturers, but a most friendly small community. It was outside holiday time so off to a cool afternoon of sea-kayaking after a paddle through the marshes. All-fish foods, and a choice of many beers, made for our first relaxing "go nowhere" time, which is what a holiday is all about.

Cumberland Is. is a State National Park and we were part of 300 persons taken by boat for a full day of walking, swimming, picnic on our own, in the sand dunes shared with the wild horses amongst the palms and oaks, with Spanish Moss draped from the branches. A long drive took us North to Charleston for an evening and morning exploration, and then more sharing of the driving, N.W. to the foot of the Appalachians, and home in North Carolina. To be honest I felt comfortable driving after about 2 days, but it is a full time job with concentration and a little talking to oneself. America is different, and I have only touched on the road system and driving, and all the rest of my adventure was most enjoyable, safe, sometimes energetic, and all the differences were very stimulating. I hope that I am invited again. ■

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From Reg's Shack

THE MODIFICATION OF COMPUTER POWER SUPPLIES.

Some preliminary reflections on the modification of the things as suggested in Radio and Communications.

1. Get the thing working first ! But remember that these units are built down to a price, not up to a standard, and therefore the tracks are extremely flimsy and will lift at the slightest provocation, which means doing the minimum of soldering with a small iron and as quickly as possible. Also try and get the single board PSUs as the older twin board ones look horrendous. Before accepting a discarded PSU just remove the four screws holding the top and sides in place and check that the thing uses a TL494 and preferably an LM339 as well. The 339 is much less important, but do ensure that you are trying to modify a TL494 unit.
2. Once it is working, then identify the control input to the TL494 fed to pin 1 and trace it back to a convenient resistor which can be lifted so that a small value resistor and say a 25 k Ω potentiometer can be connected between that point and the 5 Volt output.
3. With that done, put a high wattage low value resistor across the 5 Volt output and for convenience also place a LED with a 1k Ω current limiting resistor there as well. I used a 1 Ω 5 Watt resistor. This will provide the necessary load for the PSU to operate and also will provide a visual indication of PSU O/P.. Varying the value of the pot will alter the O/P voltage, and by connecting a voltmeter across the output you can find the value of output which causes the overvolt circuit to activate.
4. Once this has been identified then a convenient resistor can be lifted to disable the overvolt circuit. If the overvolt / current circuit is 'non-standard' this will also help you to identify the feed to pin 4 from the overvolt circuit.
5. Disconnecting the PSU from the mains supply and substituting a supply of about 15 volts to a convenient point which is linked to pin 12 of the 494 with the negative connected to the Earth plane will enable you, if you have a CRO, to check the pulses from the 494 to the switching transistors for operation, if any suspicions exist about their operation.. With power re-applied to the unit, connecting various high wattage / low value resistors to the 5 Volt output terminals will enable a check of the circuit's ability to compensate for variations in load by widening or narrowing the pulse widths displayed on the CRO. However watch yourself, as half of the circuit board is connected to RAW MAINS !!!
6. Next decide about rewinding the transformer. However BEFORE you go mad and strip the windings from the transformer, have a careful check of the windings. I pulled apart a transformer which used separate windings for the 5 Volt and 12 Volt windings, and realised too late that they could have been connected in series to provide the necessary output. Ah Well !! Mark you, you will need a test oscillator at about 33 kHz which you can apply to the transformer to see the ratios of the thing and that really needs to give about 5 or so Volts to get sensible readings on the ratios. When the transformer is removed for rewinding then almost certainly you will be unable to separate the ferrite cores, so do not try, although petrol is very good for loosening the layers of tape etc. wound around the transformer. *[if you are a non-smoker !! (Ed)]* Just let it soak for a couple of hours and MAKE SURE it has thoroughly dried out before you start working on it. Carefully remove the windings down to the bare core. I have found that the primary windings in two transformers I have tried, have been split wound, in that part of the primary is wound next to the core and another part on the outside of the whole of the windings. Why ? I don't know, unless it is for dual voltage operation and was wound as an extra.
7. It is not too difficult to wind a new primary by passing the enamelled wire back and forth through the window of the core and for 40 turns you will need about 9 ft. (2.7m) of wire. It is best to protect the enamel on the wire from abrasion on the edges of the ferrite core by putting little strips of insulating tape on the edges of the core where it will rub. As suggested in the magazine article, Plumbers PTFE tape forms a good insulating layer over the core and between the layers (usually two) of the primary. Also if you can find some 'shim copper' insert a Farady Shield between the primary and secondary windings to reduce the possibility of the 33Hz spikes getting back out of the unit when using it.
8. When it comes to winding the secondary winding, take a tip from the manufacturer and rather than use a single layer of thick wire which is very awkward to feed in and settle into place, use three or four strands of a thinner wire, say 20 SWG which is kinder on your hands and the bobbin and will lay much flatter on the core. If you are using self-fluxing wire then try and join the elements to the winding before trying to connect them to the little pins on the bobbin, and just bring one wire out as it is a lot easier to solder that in place without breaking the bobbin, since the transformer is inside the control loop, the little extra resistive loss will be compensated for by the control circuitry.

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THE MODIFICATION OF COMPUTER POWER SUPPLIES. Continued

9. In the majority of PSUs that I have seen, the overvolt circuit employs an SCR as the overvolt trip, supplying 5 volts to pin 4 of the TL494 and using a transistor bistable to hold the SCR 'on' when the supply shuts down. In order to maintain the necessary control voltages there may be a small transformer connected across one of the large capacitors in the 'primary side' of the unit to take over the task of keeping some volts on the safety circuit via a diode rectifier circuit, so look out for that.

10. If you can trace the overvolt circuit out without too much difficulty, then what you may like to try is fitting a 'divide by three' voltage divider to reduce the voltage fed to the overvolt circuit by that factor, which will raise the voltage at which the safety circuit comes in by a factor of three. Thus, if you use a 10 k and a 5.6 k in series with the 5.6 k at the 'earthy end' and feed the safety circuit from the junction of the two resistors and put the 'sensing volts' to the top of the chain, then the overvolt will come in at about 15 volts which is what we want. Playing with values when the PSU is finished will enable you adjust the exact value of 'overvolt'.

11. If the overvolt circuit proves difficult to trace out, then you may like to try an alternative method. If an SCR is used to trip on overvolt / overcurrent, then try fitting a 15 volt zener controlled PNP transistor with, say, a 22k resistor in its collector connected to the same point as the overcurrent feed goes to the SCR and that should do the trick. That did work for me but was a little imprecise, so I built up a 741 as a comparator, using a 3V9 Zener as the input to pin 2 and a divider from the 13.6 Volt output fed into pin 3. The output at pin 6 was returned through a 1K resistor to the negative rail and fed out to the trip circuit [which was itself a zener diode feeding the SCR gate] via an 8K2 resistor. It was quite a tame circuit and enabled me to set the overvolt trip at 14.3 volts which should be well within the ratings of any rig designed for mobile use as the output of the car alternator can rise as high as 14.4 volts in normal running. This little board holding the 741 bits was mounted (thanks to epoxy putty) as an outboard unit via a bracket.

12. I did not bother to remove the filtering components for the 12 volt supply and merely replaced the 10 volt electrolytic capacitors in the 5 volt output with 25 volt ones. In fact I also left the toroid alone since it is capable of handling the 20 amps output quite well, usually being wound with several strands in parallel so it can handle any current we need without difficulty. Likewise with the extra smoothing it pays to remember that there is quite a lot of 'air space' above the circuit board and any extra electrolytic capacitors can be mounted horizontally 'up there' and if several are wired in parallel then the stiffening obtained by soldering the 'pigtailed' together and sleeving them with 'spaghetti' will locate them quite safely.

13. By leaving the 12 volt side in place, all you need to do to get power onto the control side of the circuitry is to solder a link from one side of the new transformer output leads to one of the diodes feeding the 12 volt circuitry and the half-wave seems to be quite satisfactory in operation.

14. When it comes to testing the finished item then, I highly recommend the method discussed in the article, although what I did to set the volts initially was to feed 13.6 volts IN at the output terminals, with the control side disconnected and fed from an external 15 volt supply. Then I could monitor the pulses from the 494 and adjust the 'set output' control until they just disappeared. That way I knew that when the whole system was tested, there should be enough volts for the control side when power was applied. Otherwise I followed the suggested method, using two 230 / 115 volt transformers connected so as to give me 80 volts of A.C. At the output of the PSU they delivered about 3.5 volts when the output was tested using a separate power supply for the control side.

15. I did find initially that there was a quite a lot of interference generated down at the lower end of the broadcast band so since I had not fitted a Faraday shield in the transformer I had rewound, and was not going to take it off for any reason, I then fitted (thanks to Charlie VK3DCS for the gift) a socket for the IEC input which had a filter installed, and that solved the problem of interference getting back out via the mains lead. These sockets are available commercially and may solve a lot of QRN problems for you.

As I get wiser (I hope !) about these things I will try and keep you informed of new developments and would welcome other people's findings.

73 de Reg VK3CAZ.



B A R G M E M B E R S
A R E R E M I N D E D T H A T
M E M B E R S H I P F E E S A R E
D U E A T T H E A N N U A L
M E E T I N G A N D M U S T B E
P A I D B Y E N D O C T O B E R
1 9 9 9 F O R Y O U T O
R E M A I N F I N A N C I A L

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A quiet chat with a king.

As the death of Jordan's King Hussein beamed around the world, memories of a conversation 30 years ago flooded back for Horsham's Ray Leskie VK3AV..

Mr Leskie, a retired Telecom broadcaster, said a 30 minute talk with the revered peace-maker on ham radio had made a significant impression on him.

"He was a real gentleman and a nice bloke, and I was a bit lost for words afterwards" he said.

Mr Leskie made contact with King Hussein while working with a Lutheran mission at Garoka, in the highlands of Central Papua, New Guinea.

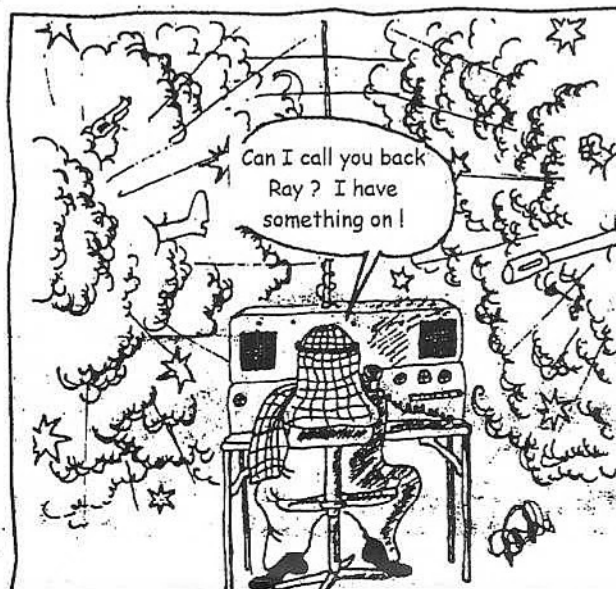
"There was no television, the radio was terrible, and there was nothing to do. So I'd get onto the ham radio when conditions were suitable and speak to the rest of the world," he said. "One night a station called with a different callsign and it was King Hussein."

Mr Leskie said the King said he was keen to know about the people of Papua New Guinea and in what conditions they lived.

"It was along time ago but we talked about Papua New Guinea. How the people lived, what I was doing there, and so on. He was a very learned man and I felt good after talking to him. I felt honoured to talk to a man of his obvious intellectual standing."

The Arab world is still mourning King Hussein who died after a battle with cancer.

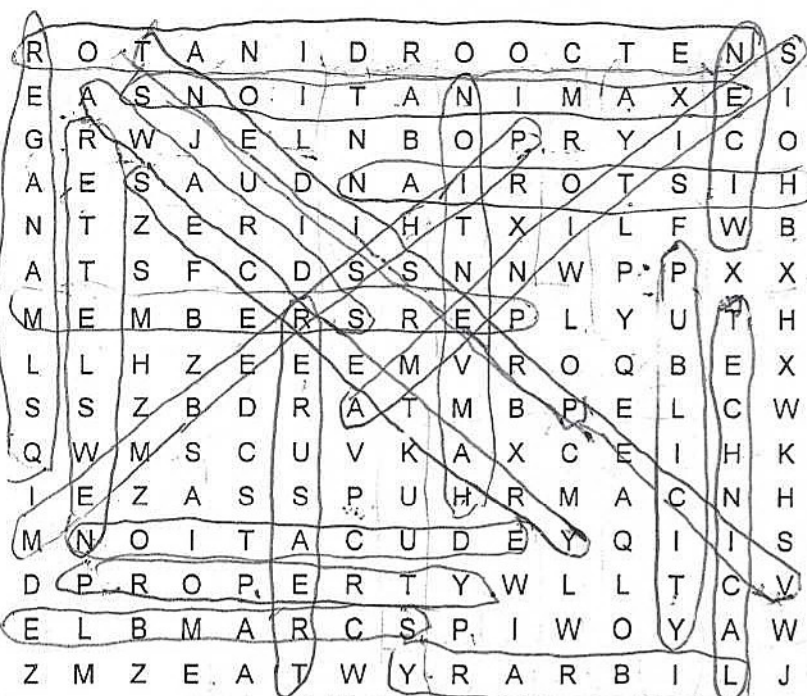
(The above article was submitted by Ian VK3CIS. We gratefully acknowledge the co-operation of the Wimmera Mail - Times, Horsham, in giving us permission for it's reproduction. - Ed.)



The expression "It's a small world" was never more appropriate for Horsham's Ray Leskie than when he had a ham radio chat with revered Jordanian Peacemaker the Late King Hussein.

ELECTION TIME

Can you find a position in the puzzle where you can assist B.A.R.G. ?



- AMENITIES
- AWARDS
- EDUCATION
- EXAMINATIONS
- HAMVENTION
- HISTORIAN
- LIBRARY
- MEMBERSHIP
- MEMBERSREP
- NETCOORDINATOR
- NEWSLETTER

- PRESIDENT
- PROPERTY
- PUBLICITY
- QSLMANAGER
- SCRAMBLE
- SECRETARY
- TECHNICAL
- TREASURER
- VICEPRESIDENT
- WICEN

B.A.R.G.
BALLARAT AMATEUR RADIO GROUP INC.
HAMVENTION '99

BALLARAT SHOWGROUNDS
WOOL PAVILION
CNR. CRESWICK RD & HOWITT STS.
ENTRANCE FROM WHITE AVE.

30TH & 31ST OCTOBER
ENTRANCE - \$5.00 (UNDER 15 Y/O FREE)
FREE COFFEE / TEA ALL DAY - LIGHT LUNCH AVAILABLE
Hamburgers - Sausages
Soft Drinks - Sandwiches
Devonshire Tens

Trestles available at reasonable charge.
(Booking Essential)

SATURDAY 30th.
Fox & Sniffer hunting from 10am - All day.
Evening Counter Tea - 7.00pm at Western Hotel. (Please book.)

SUNDAY 31st.
Displays and Sales start at 9.00 am.
Fox and Sniffer hunts from 9.30 am.
Homebrew Competition

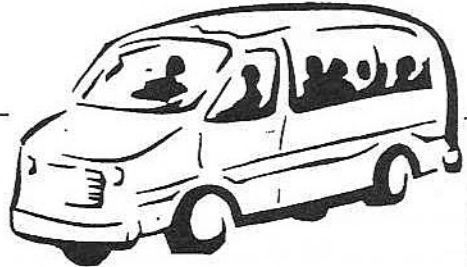
ENQUIRIES
Tom - VK3DMK - 5339 9737
Doug - VK3KAY - 5339 2778

MAIL TO: Tom George
33 Wattle Ave, Wendouree Vic. 3555

INSERT TO "AMATEUR RADIO" OCTOBER 1999 VOL. 67 NO. 10.

**IT JUST GETS BETTER
EVERY YEAR
WITH THE HELP OF B.A.R.G.
MEMBERS.**

Tom VK3DMK will be seeking
helpers very soon
but in the meantime
spread the word.

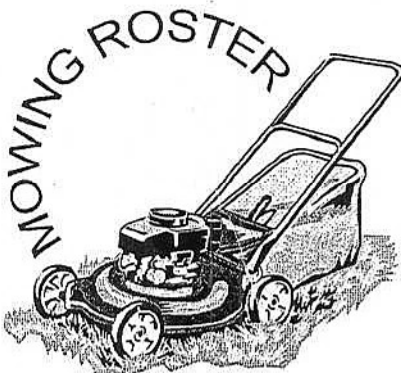


TO ALL XYLS
MONDAY NOVEMBER 8TH. 1999
TRIP TO KNOX SHOPPING CENTRE
\$5.00 per person.

All XYLS, Partners and Friends are invited
to participate in a Bus Trip to the
Knox Shopping Centre.

Great for Christmas Shopping

Keep this date free. Enquiries and Bookings to:
Mary - 5330 1927 Shirley - 5331 7425 Shelagh - 5341 7585



August - Bob Brown.
Steven Dick.
September - Chris Drossos
Murray Felstead.

Key available from:
Murray at UFS Dispensary- Howitt St. Wendouree
or Committee Members.

99/08 10

BARG EVENTS (E.O.E.)



August 1999

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1 Scramble
2	3	4	5 Net Amen Meet	6	7 Con.Day	8 Scramble
9 Mag.Cut off	10	11	12 Net	13	14 Con Day Rem Day C.	15 Scramble Rem Day C.
16	17	18 Com. Meet	19 Net	20	21 Con.Day	22 Scramble
23	24	25	26 Net	27 BARG A.G.Meeting	28 Con.Day	29 Scramble
30	31					

September 1999

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2 Net Amen Meet	3	4 Con.Day	5 Scramble
6	7	8	9 Net	10	11 Con.Day	12 Scramble
13 Mag Cut off	14	15	16 Net	17	18 Con.Day	19 Scramble
20	21	22	23 Net	24 BARG GEN MEET	25 Con.Day	26 Scramble
27	28	29	30 Net			


INFORMATION

Sat/Sun. August 14th / 15th. Remembrance Day Contest.

Friday August 27th - BARG A.G.Meeting

Friday September 24th - BARG General Meeting.

Sat /Sun October 16th / 17th. Jamboree of the Air - JOTA

Sat/Sunday October 30/31st - BARG Hamvention

Monday November 8th. - Knox Shopping Centre Bus trip.

Sunday Nights. 2M Scramble - 7.50pm. 146.425 to 146.600 MHz.

Saturday Afternoons - Construction Days - Clubrooms at 1 pm.

Thursday Nights- Club Net - 3.610 MHz. - 8pm (8.30pm in Daylight Saving)

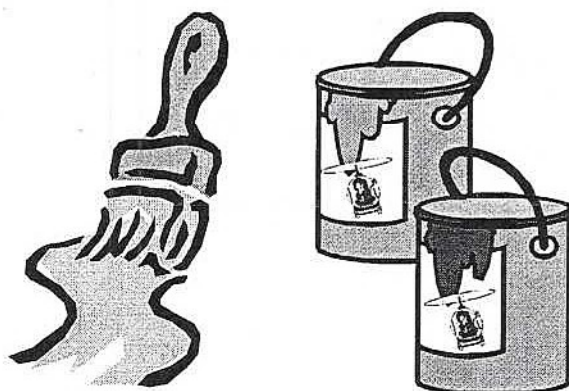
4th. Wednesday each month -WICEN Training nights.

Thursdays 2 pm - Daytime get together - Clubrooms.

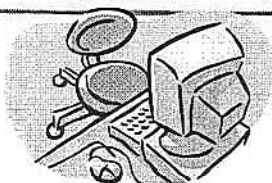
First Thursday each month -Amenities sub-committee meet.

Paint Problems ?

For expert assistance
contact
Paul Bruty VK3BWC and the experts at
Conroy's
PAINT RIGHT



104 SKIPTON ST. ☎ 5331 1680
"Best independently owned paint shop in
Australia" Award - 1998.



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400 gm. Aerosol and 1 ltr. Tins.

DWF for TIGHT NUTS.

73 Bell VK3PA



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Wendouree

JOHN GRAHAM - 5339 1097

99/08 12

B.A.R.G. HAMVENTION

30th and 31st. October 1999

PLEASE KEEP THE WEEKEND FREE

Offers of assistance to Tom VK3DMK

PLEASE NOTE

CUT OFF DATE FOR ARTICLES FOR PUBLICATION IS NOW THE
SECOND MONDAY OF EACH MONTH.

B.A.R.G.

The Ballarat Amateur Radio Group Inc.



A group of radio enthusiasts licensed to experiment with
local and international radio communications on an amateur basis.

NEW MEMBERS ALWAYS WELCOME.

OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.
Inc. No: 6953T

MR. G. CORNELL VK3FGC
304 WENDOUREE PDE.
BALLARAT VIC 3355

SURFACE MAIL

B.A.R.G. NEWS



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